

## APPENDIX G

### CRS SETUP

#### G-1 Main Processor Tone Amplitudes and Voice Parameters

The Console Replacement System (CRS) main processor (MP) tone amplitudes and voice parameters are set using the graphical user interface (GUI).

1. Access the *Transmitter Configure* window from the *Transmitter Menu*.
2. Click the **Amplitudes** button. The *Amplitudes* submenu window displays.
3. Move the slider to the following settings:

Alert Tone Amplitude	<b>15</b>
Transfer Tone Amplitude	<b>10</b>
SAME Tone Amplitude	<b>15</b>
Voice Amplitude	<b>25</b>

**NOTE:** Amplitude value ranges from 0 to 99.

4. Click the **OK** button. The *Amplitudes* submenu window closes.
5. Click the **Voice Parameters** button on the *Transmitter Configure* window. The *Voice Parameters* submenu window displays.
6. Move the slider to the following settings:

Type	<b>Deep Male Voice (standard male)</b>	
Volume	<b>25</b>	<b>(25)</b>
Rate	<b>225</b>	<b>(200 wpm)</b>
Baseline Fall	<b>9</b>	<b>(18 Hz)</b>
Hat Rise	<b>20</b>	<b>(18 Hz)</b>
Stress Rise	<b>30</b>	<b>(32 Hz)</b>

**NOTE:** When the voice parameters of Rate, Baseline Fall, Hat Rise, or Stress Rise are changed, the red toggle buttons must be on to enable the changes. If the red toggle buttons are not on, no changes are made by the CRS.

7. Click the **OK** button. The *Voice Parameters* submenu window closes.

**NOTE:** The *Voice Parameter Volume* setting overwrites the *Voice Amplitude* setting under the *Transmitter Configure Amplitudes* window.

8. Click the **Apply** hot key (if any of the parameters of a selected transmitter were modified) to save all changes. Confirmation of these changes show in the status display area.

**NOTE:** To specify a desired listening area for a message type, use the *Message Types* submenu *Voice Parameters* option. These parameters overwrite the voice parameters set up at the *Transmitter Configure Voice Parameters* window. The voice parameters listed in step 6 should be used.

## G-2 Audio Control Panel (ACP)

### G-2.1 NWRSAME ECR-200

1. Program the front panel of the NOAA Weather Radio Specific Area Message Encoder (NWRSAME) as described in the *NWRSAME Manual*.
2. Adjust the output gain control on the rear panel as part of the CRS calibration. The output gain control should not be changed after the official calibration is done.

### G-2.2 Symetrix 425 Voice Processor

Set the voice processor as described on page 7 of the *ACP Equipment Manual*.

<u>Voice Processor Control</u>	<u>Default Setting</u>
Expander:	
Threshold	-7
Release	FAST
Compressor:	
Threshold	-20
Release	FAST
Ratio	10
Limit:	
Threshold	3
Out:	
Gain	6
In/Bypass:	IN
Stereo/Dual Mono:	Dual Mono

<u>Voice Processor Control</u>	<u>Default Setting</u>
Expander:	
Threshold	-7
Release	FAST
Compressor:	
Threshold	-20
Release	FAST
Ratio	10
Limit:	
Threshold	3
Out:	
Gain	6
In/Bypass:	IN

### **G-2.3 Backup Live Alert Tone and Transmitter Transfer Tone Selection Switch (DS1)**

Set the voice processor as described on page 6 of the *ACP Equipment Manual*.

<u>Switch</u>	<u>Setting</u>
Pri/Sec	Enabled
Sec/Pri	Enabled
AL 1	Enabled
AL 2	Disabled
AL 3	Disabled
AL 4	Disabled
AL 5	Disabled

### **G-2.4 Backup Live Alert Tone and Transmitter Transfer Tone Volume Control**

Set the volume control at **REF**.

### **G-2.5 Microphone Volume Control**

Set the volume control at the **AUTO** detent position.

### **G-2.6 Headset and Speaker Volume Control**

Adjust the control for a comfortable monitoring volume.

### G-3 Operational and Spare ASC Backup Channel Configuration Jumper (JP1)

On both the operational and spare audio switch controller (ASC), set the backup channel configuration using the seven jumpers on JP1. Using all seven jumpers, move the jumpers to the side of the block listing the number of output channels for your site configuration, the center row of pins being common. Example: Using Figure 1 as a reference if your site configuration had 5, 6, 9, or 10 channels, each jumper would connect from the center row of pins to the top row of pins. If your site configuration had 1, 2, 3, 4, 7, 8, 11, 12, or 13 channels, each jumper would connect from the center row of pins to the bottom row of pins.

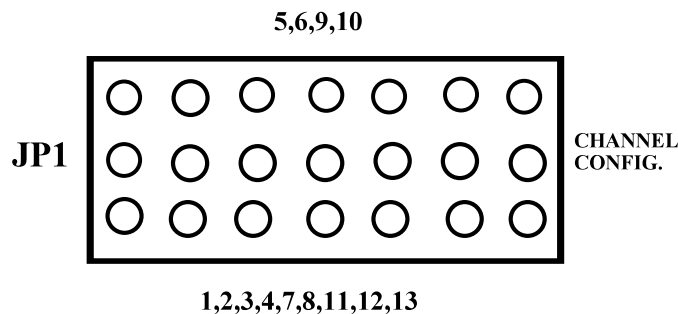


Figure 1. ASM Card Jumper Block

### G-4 Audio Switch Module (ASM)

#### G-4.1 Silence Alarm Disable/Enable Jumper (JP1)

1. Set the **Silence Alarm Disable/Enable Jumper** as described in Appendix I, Section I-3.2.1.2, *ACP and ASA Equipment*.
2. Set to **Disable** for playback or unused channels.
3. Set to **Enable** for normal channels.

#### G-4.1.2 Channel Select Jumper (JP2 and JP3)

1. Set the *Channel Select Jumper* as described on page 6 of the *ASA Equipment Manual*.
2. Set the jumper to match the slot number.

<u>Slot</u>	<u>Jumper</u>
1 to 13	Transmitter 1 to 13
14	Playback 1
15	Playback 2

#### G-4.1.3 Backup Live and Playback Control Jumper (JP4)

1. Set the *Backup Live (BUL) Control Jumper* as described on page 6 of the *ASA Equipment Manual*.

2. Set JP4 on playback (PB) mode for a playback channel.

Or

Set JP4 on BUL2 mode for a regular channel.

**NOTE:** The difference between BUL1 mode and BUL2 mode:

For BUL1 mode, only the selected BUL channels have continuous live audio broadcast. The other non-selected channels are silent.

For BUL2 mode, the selected BUL channels have continuous live audio broadcast. The other non-selected channels have normal broadcast output instead of being silent.

**NOTE:** Every regular channel is required to have the same set up on JP4, that is, either a BUL1 mode across the board, or a BUL2 mode across the board.

#### **G-4.1.4 Front-End Processor (FEP) Select Jumper (JP5)**

Set the FEP select jumper as described on page 6 of the *ASA Equipment Manual*.

1. Set to **1FEP** for channels getting input from 1FEP.
2. Set to **2FEP** for channels getting input from 2FEP.
3. Set to **3FEP** for channels getting input from 3FEP.

#### **G-4.1.5 Transmitter Channel Gain Control (VR1)**

The transmitter channel gain control adjustment is part of the CRS calibration. **This gain control should not be changed after the ASM card is officially calibrated.**

1. Adjust clockwise to increase the output volume.
2. Adjust counterclockwise to reduce the output volume.

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